



SHEET 1 OF 3

FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 3957-8-DIV	SERIAL NO. 10/005,797
	APPLICANT	Micke et al.	
	FILING DATE November 2, 2001	GROUP ART	3643

#### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.

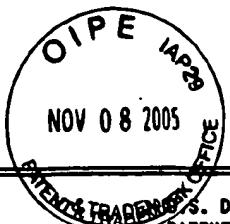
#### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

#### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

TP	AA	Heuzé, Francois, "Rock mechanics contributions from defense programs," <u>Rock Mechanics</u> , pp. 3-26, Tillerson & Wawersik (eds), 1992, Balkema, Rotterdam.
TP	AB	Lownds, C.M., et al, "The performance testing of permitted explosives for coal mines," <u>Journal of the South African Institute of Mining and Metallurgy</u> , vol. 86, no. 10, pp. 415-423, October, 1986.
TP	AC	no author given, "Excavation of tunnels by the use of smooth-bore cannons to fire solid 10 lb concrete projectiles into the rock - REAM," <u>Tunnels and Tunnelling</u> , pp. 177-180, March, 1973.

EXAMINER <i>Thomas Puce</i>	DATE CONSIDERED <i>03-03-2006</i>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line if not in conformance and not considered. Include copy of this form with next communication to applicant.	



SHEET 2 OF 3

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 3957-8-DIV	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Nicke et al.	
		FILING DATE Herewith	GROUP ART 3643

### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
TP	AA	1,585,664	5/25/26	Gilman, G.H.	—	—	11/24/20
TP	AB	2,359,301	10/3/44	Church et al.	102	56	3/22/41
TP	AC	2,725,821	12/6/55	Coleman, H.W.	102	22	3/29/52
TP	AD	3,695,715	10/3/72	GODFREY	299	13	
TP	AE	3,721,471	3/20/73	Bergmann et al.	299	55	10/28/71
TP	AF	3,777,665	12/11/73	Ziemba	102	70.2P	8/3/72
TP	AG	3,788,230	1/29/74	Losfeld	102	74	1/22/70
TP	AH	3,963,275	6/15/76	GODFREY et al.	299	13	
TP	AI	4,388,868	6/21/83	Frostig	102	473	11/10/80
TP	AJ	4,406,430	9/27/83	KRAMMER et al.	244	3.13	
TP	AK	5,031,538	7/16/91	DUFRAINE et al.	102	275.5	
TP	AL	5,081,929	1/21/92	Mertens	102	273	11/19/90
TP	AM	5,345,853	9/13/94	Crepin et al.	89	1.818	12/3/93
TP	AN	5,359,935	11/1/94	WILLETT	102	307	
TP	AO	5,365,913	11/22/94	WALTON	124	75	
TP	AP	5,404,820	4/11/95	HENDRIX	102	201	
TP	AQ	5,429,030	7/4/95	TIDMAN	89	7	
TP	AR	5,611,605	3/18/97	MCCARTHY	299	13	
TP	AS	5,731,538	3/24/98	O'BRIEN et al.	102	202.5	

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SHEET 3 OF 3

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 3957-B-DIV	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Nicke et al.	
		FILING DATE Herewith	GROUP ART 3643

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
TP	AT	568.425	3/24/24	France	—	—		
TP	AU	EP 0 230 720 A2	8/5/87	EPO	—	—		
TP	AV	DE3533753	9/21/85	Germany (Abstract Only)	—	—		
TP	AW	DE 31 49 346	6/16/83	Germany	—	—		
TP	AX	EP 0 363 079 A2	4/11/90	EPO	—	—		
TP	AY	CA2015773	4/30/90	Canada (Abstract Only)	—	—		
TP	AZ	DE4226129-A	8/7/92	Germany (Abstract Only)	—	—		
TP	BA	EP-602632-A	12/18/92	EPO (Abstract Only)	—	—		
TP	BB	94 3791	5/30/94	South Africa	—	—		

### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

TP	BC	Society of Explosives Engineers, Inc. "Permissible Blasting/Underground Coal Mines," Chapter 26, Blaster's Handbook, 17th Ed. (1998)
TP	BD	Watson et al.; "DEMONSTRATION OF HIGH SPEED GUN AND PENETRATING CONE FRACTURE TECHNOLOGY"; Proposal to Climax Molybdenum Company/Henderson Mine; October 1990; pp. 1-24.
TP	BE	Lundquist, R.; "UNDERGROUND TESTS OF THE REAM METHOD OF ROCK FRAGMENTATION FOR HIGH-SPEED TUNNELING"; RETC Proceedings; Vol. 1; 1974; pp. 825-840.
TP	BF	Louie, N.; "QUASI-CONTINUOUS EXPLOSIVE CONCEPTS FOR HARD ROCK EXCAVATION"; Shock Hydrodynamics Division Whittaker Corporation; June 1973; Final Report.
TP	BG	Singh, M.; "ROCK BREAKAGE BY PELLET IMPACT"; IIT RESEARCH INSTITUTE; 12/24/69; Final Report.

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